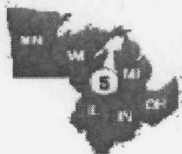


EPA Region 5 Records Ctr.



352168

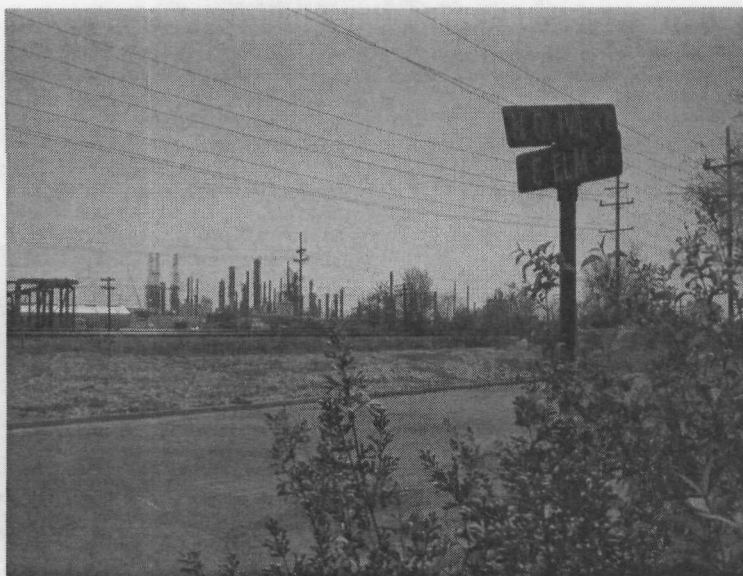
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Hartford Area Hydrocarbon Plume Site

Hartford, IL - EPA Region V

OSC REPORT

**Site Contact:****Kevin Turner and Steven Faryan**
OSCturner.kevin@epa.gov

N. Olive Street

Hartford, IL

www.epaosc.org/HartfordArea

Latitude: 38.8361210

Longitude: -90.0951620

[KML](#) | [RSS](#) | [site map](#) | [area map](#) | [bookmark](#)**Bulletins**

None for this site.

Images[List All...](#)**Documents**

None for this site.

POLREPs[POLREP - 13](#)[POLREP - 12](#)[POLREP - 11](#)[List All...](#)**Contacts**Oversight Administration
epapolreps@ballston.uscg.mil

OSC

turner.kevin@epa.gov

OSC

faryan.steven@epa.gov[List All...](#)

The Hartford Petroleum Plume Site is located within the northern most half of the Village of Hartford, Illinois just east of Illinois Route 3 and the Mississippi River. The plume footprint is bounded by Olive Street to the East, Rand Avenue to the North, Old St. Louis Road to the West and Hawthorne Street to the South.

According to the Illinois Environmental Protection Agency (IEPA), several million gallons of petroleum hydrocarbon products including leaded gasoline were released over a 30+ year period. During late winter and early spring rainfall events in conjunction with rising Mississippi River stages, petroleum vapors invade into basements of residential homes sitting atop the subsurface plume. Hydrocarbon odor complaints have been documented by the IEPA since the mid-1960s. It has been further documented that house fires resulting from petroleum vapor intrusion have occurred in the past since the early 1970's.

Starting in 1953, additional buried pipelines were installed as to facilitate the movement of products between the river terminal and the refinery. In 1991, Clark Oil Company installed a soil vapor extraction (SVE) and free phase hydrocarbon (FPH) products recovery system. Until recently, the SVE system operated adequately to control vapor

intrusion into residential homes in Hartford, Illinois. The free phase hydrocarbon recovery system is currently not operating. U. S. EPA will oversee project activities including operations and maintenance of the existing dual phase treatment system for hydrocarbons removed by the Performing Respondents identified in the Administrative Order by Consent, Docket No. V-W-03-C-XXX and the ultimate final remedies to be developed by the Agency.

[Links](#)

None for this site.

The Hartford Petroleum Plume Site came to the U.S. EPA Removal Branch's attention through the IEPA. IEPA has performed RCRA inspections and spill response support activities at the refinery since the 1970's. In June, 2003, IEPA deferred the Hartford Petroleum Plume Site to U.S. EPA. IEPA will continue to oversee activities within the refinery plant confines adjacent and just east of the Village of Hartford.

After a series of meetings with the respondents in the Summer of 2003, the EPA requested that a Work Plan be submitted to determine why the SVE system is not currently working to design performance standards.

For additional information, visit the **Pollution Report** (POLREPS) section.

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Hartford Area Hydrocarbon Plume Site



Description: Installation of the Vapor Liquid Separator (VLS) upgrade to the existing SVE system

Date Taken: 3/13/2008

Security Level: Public

Category:

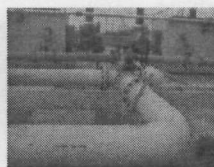
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Longitude:

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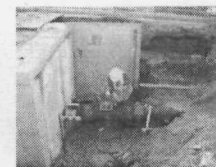
Installation of the
Vapor Liquid Separat...



Vapor Liquid Separator
piping installati...



Vault 12 SVE Phase
3B Expansion

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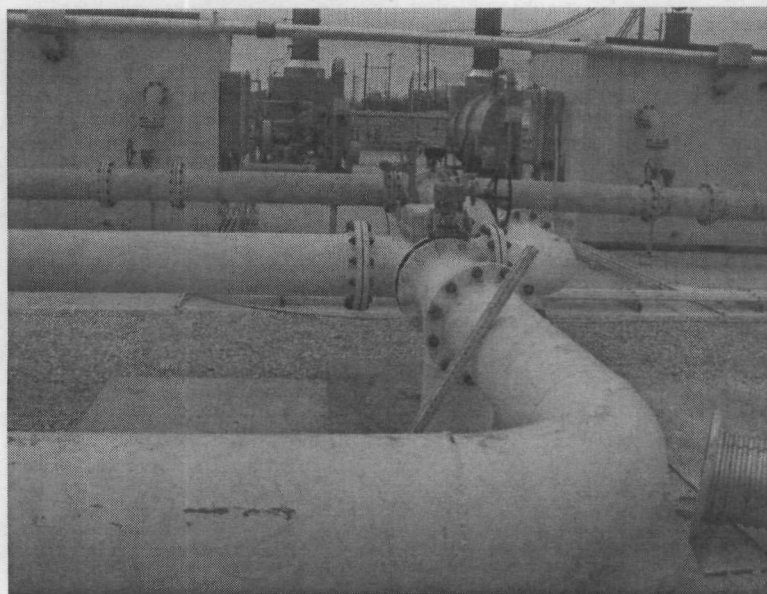
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Hartford Area Hydrocarbon Plume Site



Description: Vapor Liquid Separator piping installation to the existing SVE system

Date Taken: 3/13/2008

Security Level: Public

Category:

Latitude:

Longitude:

Tags:



Installation of the
Vapor Liquid Separat...



Vapor Liquid Separator
piping installati...



Vault 12 SVE Phase
3B Expansion

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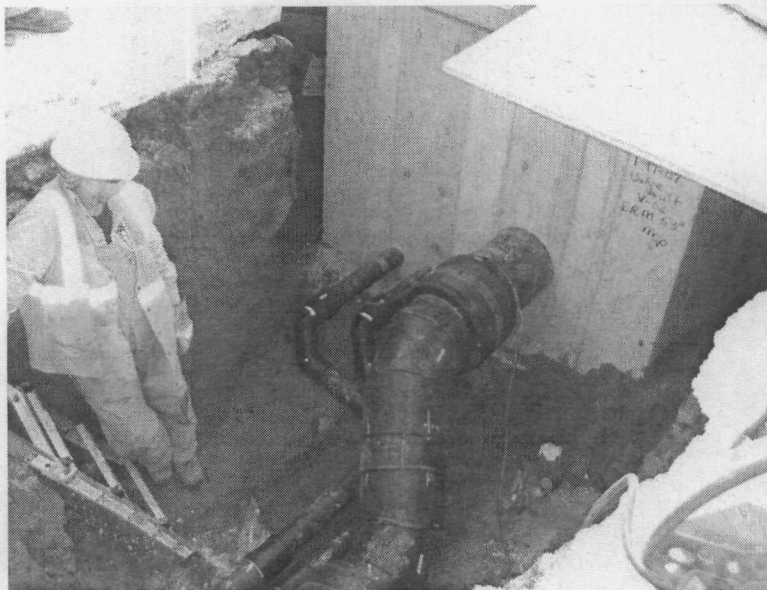
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Hartford Area Hydrocarbon Plume Site

**Description:** Vault 12 SVE Phase 3B Expansion**Date Taken:****Security Level:** Public**Category:****Latitude:****Longitude:****Tags:**

Installation of the
Vapor Liquid Separat...



Vapor Liquid Separator
piping installati...



Vault 12 SVE Phase
3B Expansion

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Hartford Area Hydrocarbon Plume Site

**Description:****Date Taken:****Security Level:** Public**Category:****Latitude:****Longitude:****Tags:**

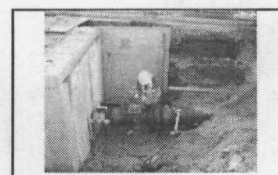
Installation of the
Vapor Liquid Separat...



Vapor Liquid Separator
piping installati...



Vault 12 SVE Phase
3B Expansion

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Hartford Area Hydrocarbon Plume Site

**Description:** North Olive Leg of SVE System**Date Taken:****Security Level:** Public**Category:****Latitude:****Longitude:****Tags:**

North Olive Leg of SVE
System



North Olive SVE Tie-in
near Cherry Stree...



North Olive SVE Tie-in
(Looking North)



SVE Line with Two
Liquid Conveyance
Line...

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Hartford Area Hydrocarbon Plume Site

**Description:** North Olive SVE Tie-in near Cherry Street**Date Taken:****Security Level:** Public**Category:****Latitude:****Longitude:****Tags:**

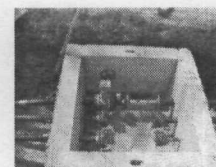
North Olive Leg of SVE
System



North Olive SVE Tie-in
near Cherry Stree...



North Olive SVE Tie-in
(Looking North)



SVE Line with Two
Liquid Conveyance
Line...

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Hartford Area Hydrocarbon Plume Site



Description: North Olive SVE Tie-in (Looking North)

Date Taken:

Security Level: Public

Category:

Latitude:

Longitude:

Tags:



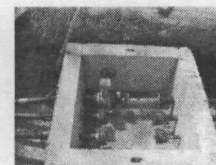
North Olive Leg of SVE
System



North Olive SVE Tie-in
near Cherry Stree...



North Olive SVE Tie-in
(Looking North)



SVE Line with Two
Liquid Conveyance
Line...

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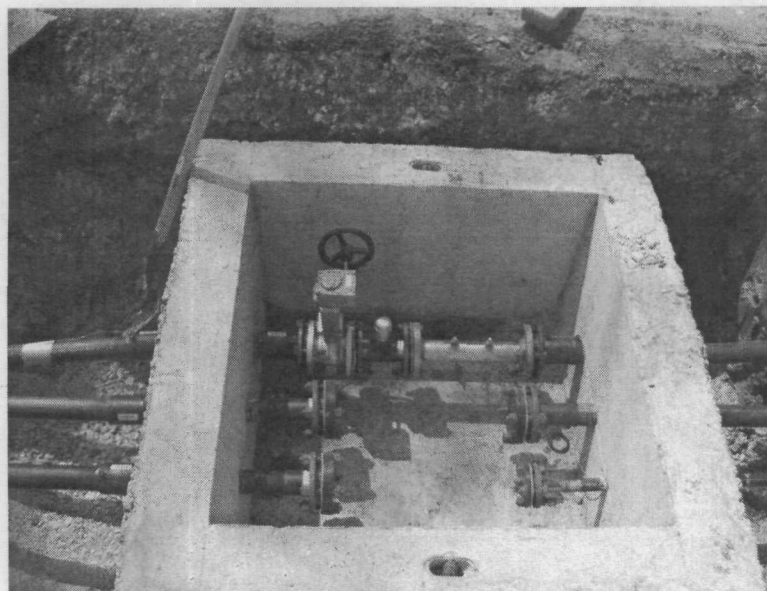
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Hartford Area Hydrocarbon Plume Site



Description: SVE Line with Two Liquid Conveyance Lines for Future LNAPL Removal System

Date Taken:

Security Level: Public

Category:

Latitude:

Longitude:

Tags:



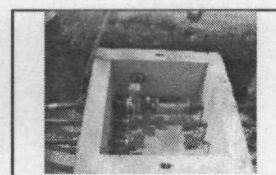
North Olive Leg of SVE System



North Olive SVE Tie-in near Cherry Street...



North Olive SVE Tie-in (Looking North)



SVE Line with Two Liquid Conveyance Line...

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Hartford Area Hydrocarbon Plume Site



Description: East/West Alley North of Watkins Street

Date Taken:

Security Level: Public

Category:

Latitude:

Longitude:

Tags:



East/West Alley North
of Watkins Street



Pilot Testing for SVE
expansion



Mobile Multi-phase
extraction system - P...



Removal well
skimming product for
off-si...

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Hartford Area Hydrocarbon Plume Site



Description: Pilot Testing for SVE expansion

Date Taken:

Security Level: Public

Category:

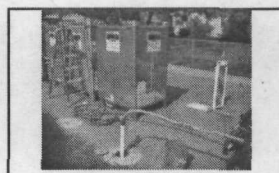
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East/West Alley North
of Watkins Street



Pilot Testing for SVE
expansion



Mobile Multi-phase
extraction system - P...



Removal well
skimming product for
off-si...

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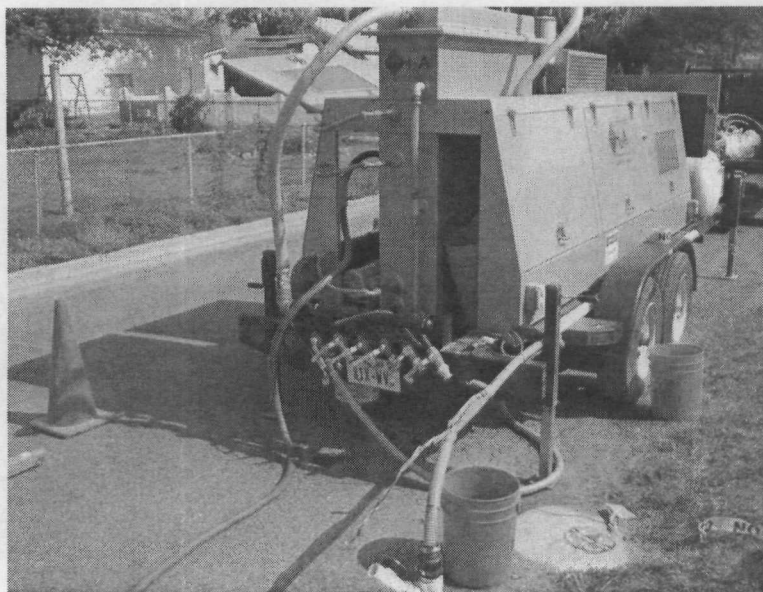
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Hartford Area Hydrocarbon Plume Site



Description: Mobile Multi-phase extraction system - Pilot Test

Date Taken:

Security Level: Public

Category:

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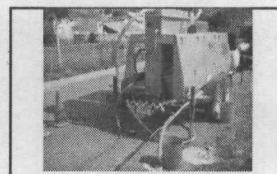
Tags:



East/West Alley North
of Watkins Street



Pilot Testing for SVE
expansion



Mobile Multi-phase
extraction system - P...



Removal well
skimming product for
off-si...

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Hartford Area Hydrocarbon Plume Site



Description: Removal well skimming product for off-site disposal

Date Taken:

Security Level: Public

Category:

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Tags:



East/West Alley North
of Watkins Street



Pilot Testing for SVE
expansion



Mobile Multi-phase
extraction system - P...



Removal well
skimming product for
off-si...

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Hartford Area Hydrocarbon Plume Site



Description: Piping manifold infrastructure near the Community Center - Pilot Study

Date Taken:

Security Level: Public

Category:

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Longitude:

Tags:



Piping manifold
infrastructure near
the ...



Summa canisters
collection soil gas
samp...



SVE piping along
Watkins Street

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Hartford Area Hydrocarbon Plume Site

**Description:** Summa canisters collection soil gas samples**Date Taken:****Security Level:** Public**Category:****Latitude:****Longitude:****Tags:**

Piping manifold
infrastructure near
the ...



Summa canisters
collection soil gas
samp...



SVE piping along
Watkins Street

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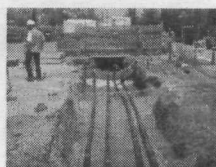
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Hartford Area Hydrocarbon Plume Site

**Description:** SVE piping along Watkins Street**Date Taken:****Security Level:** Public**Category:****Latitude:****Longitude:****Tags:**

Piping manifold
infrastructure near
the ...



Summa canisters
collection soil gas
samp...



SVE piping along
Watkins Street

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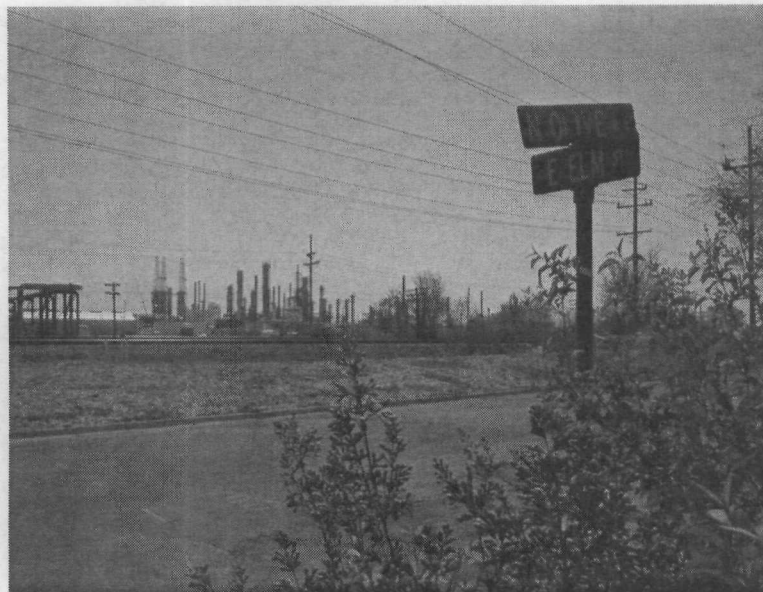
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Hartford Area Hydrocarbon Plume Site



Description: Hartford, IL location at the intersection of N. Olive and E. Elm looking Southeast

Date Taken:

Security Level: Public

Category:

Latitude:

Longitude:

Tags:



Piping manifold
infrastructure near
the ...



Summa canisters
collection soil gas
samp...



SVE piping along
Watkins Street

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